

## Parameters

### Electrical parameters

Working Voltage (supply by the bus)	21~30VDC
Communication	KNX/EIB
Dynamic current	< 15mA
Static current	< 5mA
KNX terminals	KNX Bus Terminal – (Red /Grey) 0.6 – 0.8mm Diameter Single Core
AUX Power supply	40mA/DC24V
Input/ Output signal	DMX512-1990, ArtNet DMX, HDL Net DMX
Other Terminals	Line In, Line Out for each chan- nel 1 x 2.5mm <sup>2</sup> max conductor size

### Environmental Conditions

Working temperature	-5°C~45°C
Working relative Humidity	Up to 90%
Storage temperature	-20°C~+60°C
Storage relative humidity	Up to 93%

### Approved

CE, RoHS  
KNX

### Product information

Dimensions	90mm×72mm×66mm
Net weight	188.5g
Housing material	Nylon
IP rating	IP 20

## Important Notes

- **Special Programming** – This device is designed for professional KNX installation .It can only be programmed by ETS software.
- **Check Connections** – Re-tighten all connections after installation.
- Don't apply KNX DC power to another Load, KNX bus prior to installation and wiring.
- Mount the device on a DIN rail inside an approved electrical enclosure.
- Connect KNX TP1 bus cables. Ensure correct cable type and lengths. Ensure required cable separate with other high power circuits.
- Re-check all terminations before power on.
- **Bus Voltage** - The input of voltage must be between 21-30VDC
- Aux power supply– this DMX module need a additional DC24V power supply for DMX interface.

## Overview

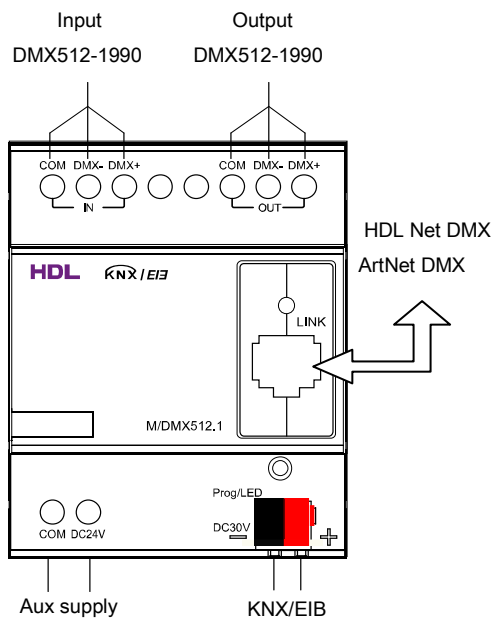
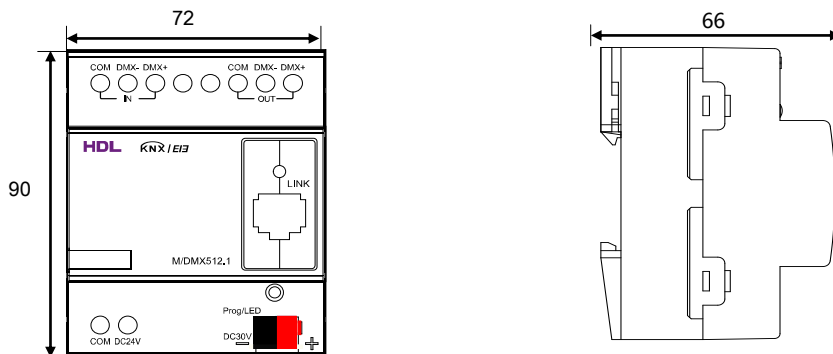


KNX/DMX recorder is not only a KNX/DMX gateway which supports two-way control, but also can make record, play back and delete DMX program from the ETS software or KNX wall panel .The maximum record time is up to 4 hours. This module can be used to control devices with built-in DMX protocol such as LED color changer, moving head ,laser light.

## Functions

- The DMX Recorder have three work mode, DMX recorder mode, DMX dimming( EIB to DMX) mode and DMX to EIB(1bit,1byteData Point) mode. Support recording from DMX line or Art-Net .
- DMX recorder mode can store and playback 24 programs, The time of each program can reach 4 hours.
- DMX dimming mode support Max. 48 channels switching and dimming via EIB, Means allow you to control DMX device from KNX system.
- DMX to EIB mode support Max. 48 channels switching and absolute dimming via DMX signal. Means allow you to control KNX system from DMX memory console.
- DMX output for LED color changing, DMX dimming and Moving head , Laser and other DMX control.
- DMX input control functions for KNX include switch control, sequence control, scene control, Relative dimming, Absolute dimming.

## Layout and Wirings (Unit: mm)



## Safety Precautions



- Do not make wrong connection on Bus interface, it will damage the Bus interface this module.
- Do not get AC220V voltage into KNX/EIB Bus, DMX wire, it will damage all of devices in system.
- Assure a good ventilation circumstances.
- Rain, liquid, and aggressive gas are not allowed to close to it.

## Safety Precautions



- Device\*1/ Datasheet\*1

